

FIG. 1

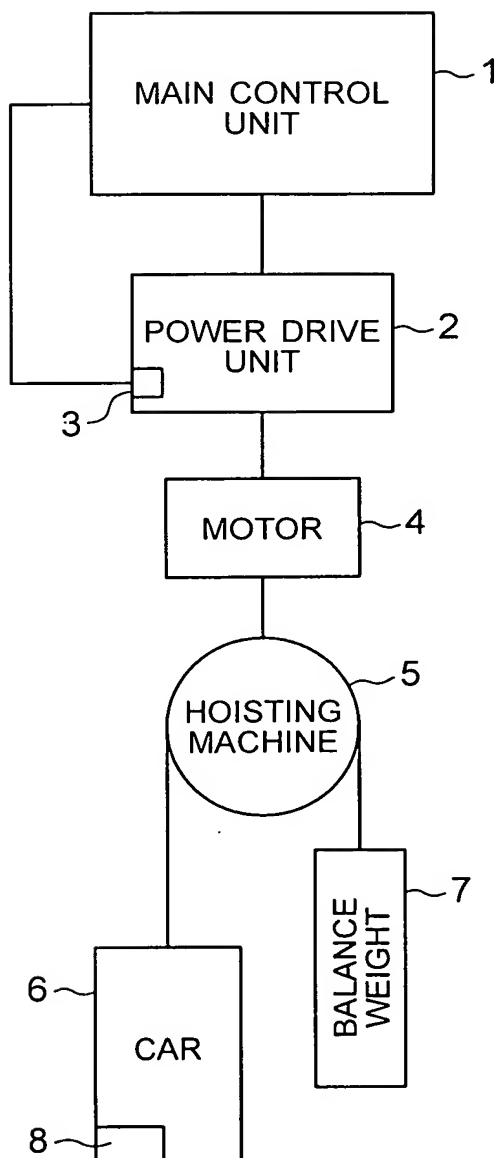


FIG. 2

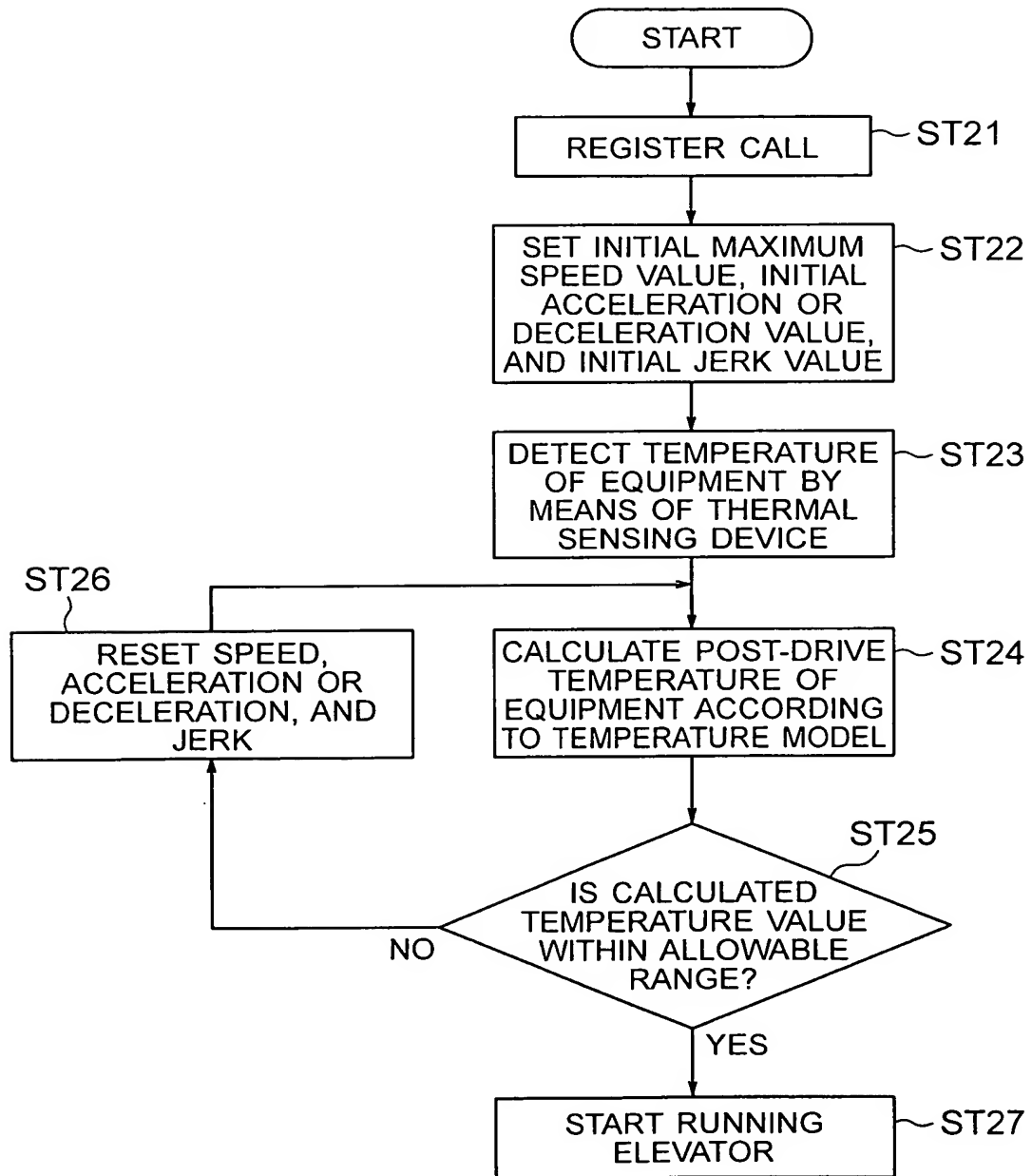


FIG. 3

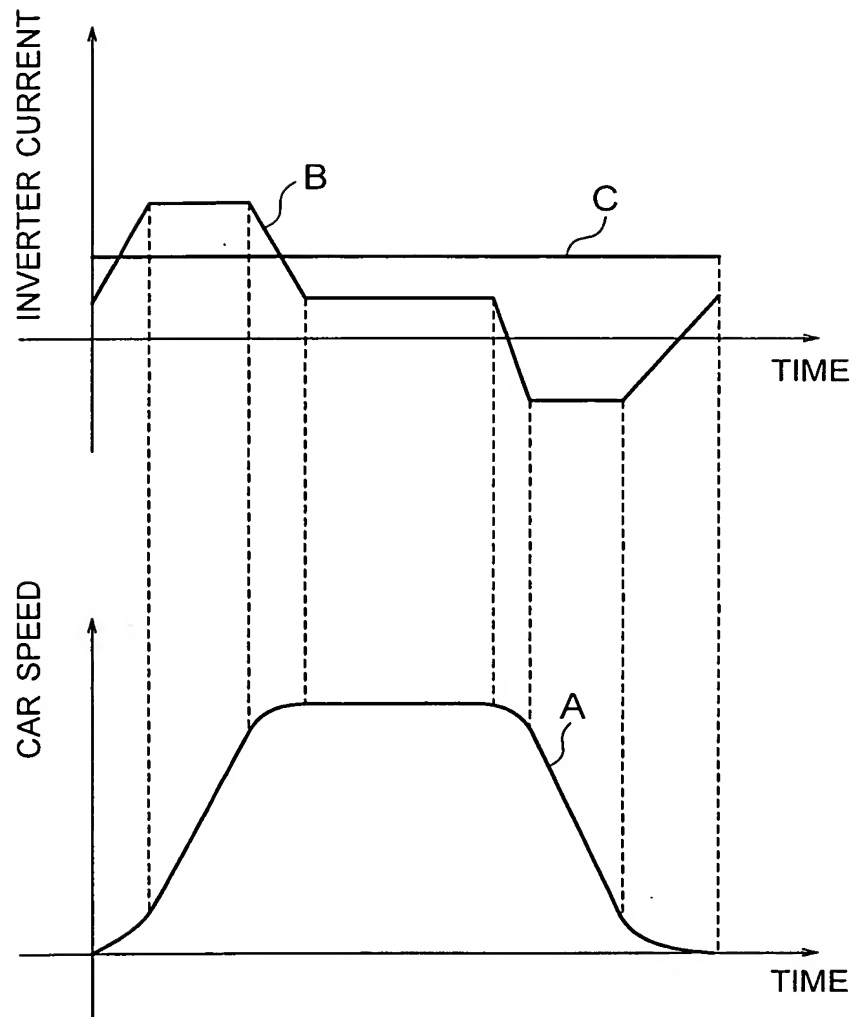


FIG. 4

10



MOVING DISTANCE L<sub>1</sub>

	$(\alpha_{1\_1}, \beta_{1\_1}, v_{1\_1})$	$(\alpha_{2\_1}, \beta_{2\_1}, v_{2\_1})$	...	$(\alpha_{M\_1}, \beta_{M\_1}, v_{M\_1})$
H1	$(W_{11\_1}, U_{11\_1})$	$(W_{12\_1}, U_{12\_1})$	...	$(W_{1M\_1}, U_{1M\_1})$
H2	$(W_{21\_1}, U_{21\_1})$	$(W_{22\_1}, U_{22\_1})$	...	$(W_{2M\_1}, U_{2M\_1})$
...	...	...	...	...
H <sub>N</sub>	$(W_{N1\_1}, U_{N1\_1})$	$(W_{N2\_1}, U_{N2\_1})$	...	$(W_{NM\_1}, U_{NM\_1})$

MOVING DISTANCE L<sub>2</sub>

	$(\alpha_{1\_2}, \beta_{1\_2}, v_{1\_2})$	$(\alpha_{2\_2}, \beta_{2\_2}, v_{2\_2})$	...	$(\alpha_{M\_2}, \beta_{M\_2}, v_{M\_2})$
H1	$(W_{11\_2}, U_{11\_2})$	$(W_{12\_2}, U_{12\_2})$	...	$(W_{1M\_2}, U_{1M\_2})$
H2	$(W_{21\_2}, U_{21\_2})$	$(W_{22\_2}, U_{22\_2})$	...	$(W_{2M\_2}, U_{2M\_2})$
...	...	...	...	...
H <sub>N</sub>	$(W_{N1\_2}, U_{N1\_2})$	$(W_{N2\_2}, U_{N2\_2})$	...	$(W_{NM\_2}, U_{NM\_2})$



MOVING DISTANCE L<sub>p</sub>

	$(\alpha_{1\_p}, \beta_{1\_p}, v_{1\_p})$	$(\alpha_{2\_p}, \beta_{2\_p}, v_{2\_p})$	...	$(\alpha_{M\_p}, \beta_{M\_p}, v_{M\_p})$
H1	$(W_{11\_p}, U_{11\_p})$	$(W_{12\_p}, U_{12\_p})$	...	$(W_{1M\_p}, U_{1M\_p})$
H2	$(W_{21\_p}, U_{21\_p})$	$(W_{22\_p}, U_{22\_p})$	...	$(W_{2M\_p}, U_{2M\_p})$
...	...	...	...	...
H <sub>N</sub>	$(W_{N1\_p}, U_{N1\_p})$	$(W_{N2\_p}, U_{N2\_p})$	...	$(W_{NM\_p}, U_{NM\_p})$

FIG. 5

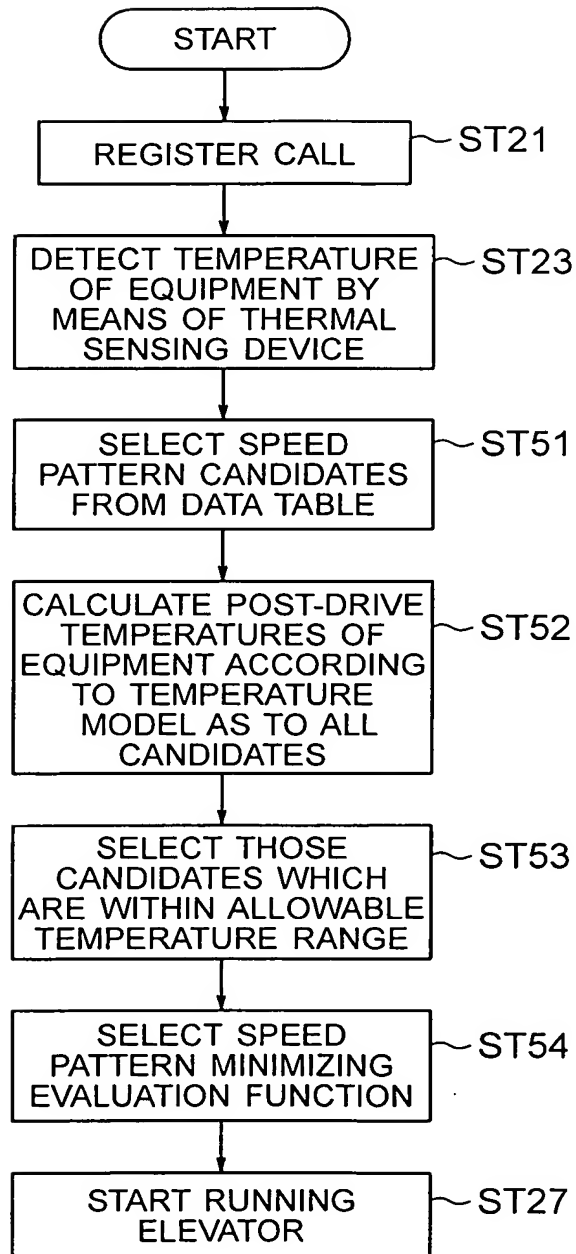
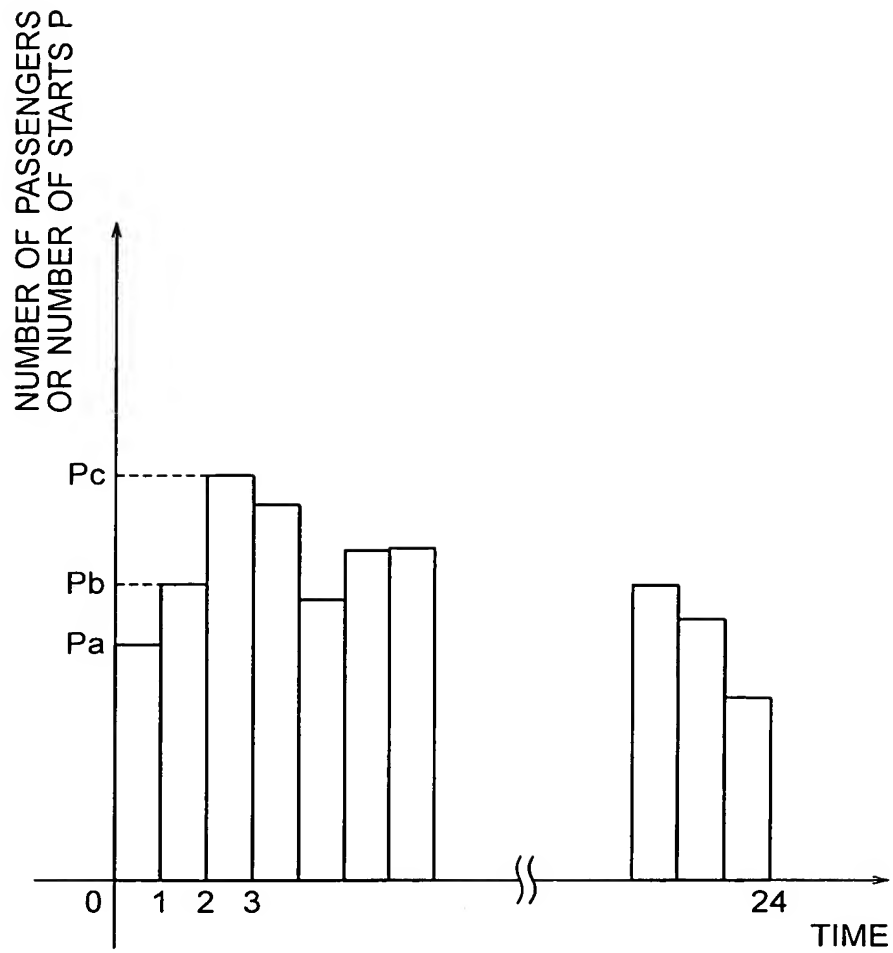



FIG. 6



# FIG. 7

20  


## RUNNING MODE 1

	L1	L2	...	Lp
H1	$(\alpha_{11\_1}, \beta_{11\_1}, v_{11\_1})$	$(\alpha_{12\_1}, \beta_{12\_1}, v_{12\_1})$	...	$(\alpha_{1p\_1}, \beta_{1p\_1}, v_{1p\_1})$
H2	$(\alpha_{21\_1}, \beta_{21\_1}, v_{21\_1})$	$(\alpha_{22\_1}, \beta_{22\_1}, v_{22\_1})$	...	$(\alpha_{2p\_1}, \beta_{2p\_1}, v_{2p\_1})$
...	...	...	...	...
HN	$(\alpha_{1N\_1}, \beta_{1N\_1}, v_{1N\_1})$	$(\alpha_{2N\_1}, \beta_{2N\_1}, v_{2N\_1})$	...	$(\alpha_{Np\_1}, \beta_{Np\_1}, v_{Np\_1})$

## RUNNING MODE 2

	L1	L2	...	Lp
H1	$(\alpha_{11\_2}, \beta_{11\_2}, v_{11\_2})$	$(\alpha_{12\_2}, \beta_{12\_2}, v_{12\_2})$	...	$(\alpha_{1p\_2}, \beta_{1p\_2}, v_{1p\_2})$
H2	$(\alpha_{21\_2}, \beta_{21\_2}, v_{21\_2})$	$(\alpha_{22\_2}, \beta_{22\_2}, v_{22\_2})$	...	$(\alpha_{2p\_2}, \beta_{2p\_2}, v_{2p\_2})$
...	...	...	...	...
HN	$(\alpha_{1N\_2}, \beta_{1N\_2}, v_{1N\_2})$	$(\alpha_{2N\_2}, \beta_{2N\_2}, v_{2N\_2})$	...	$(\alpha_{Np\_2}, \beta_{Np\_2}, v_{Np\_2})$



## RUNNING MODE q

	L1	L2	...	Lp
H1	$(\alpha_{11\_q}, \beta_{11\_q}, v_{11\_q})$	$(\alpha_{12\_q}, \beta_{12\_q}, v_{12\_q})$	...	$(\alpha_{1p\_q}, \beta_{1p\_q}, v_{1p\_q})$
H2	$(\alpha_{21\_q}, \beta_{21\_q}, v_{21\_q})$	$(\alpha_{22\_q}, \beta_{22\_q}, v_{22\_q})$	...	$(\alpha_{2p\_q}, \beta_{2p\_q}, v_{2p\_q})$
...	...	...	...	...
HN	$(\alpha_{1N\_q}, \beta_{1N\_q}, v_{1N\_q})$	$(\alpha_{2N\_q}, \beta_{2N\_q}, v_{2N\_q})$	...	$(\alpha_{Np\_q}, \beta_{Np\_q}, v_{Np\_q})$

## FIG. 8

30  
↓

	RUNNING MODE 1	RUNNING MODE 2	...	RUNNING MODE q
P1	(w <sub>11</sub> , Q <sub>11</sub> )	(w <sub>12</sub> , Q <sub>12</sub> )	...	(w <sub>1q</sub> , Q <sub>1q</sub> )
P2	(w <sub>21</sub> , Q <sub>21</sub> )	(w <sub>22</sub> , Q <sub>22</sub> )	...	(w <sub>2q</sub> , Q <sub>2q</sub> )
...	...	...	...	...
P <sub>n</sub>	(w <sub>n1</sub> , Q <sub>n1</sub> )	(w <sub>n2</sub> , Q <sub>n2</sub> )	...	(w <sub>nq</sub> , Q <sub>nq</sub> )



FIG. 9

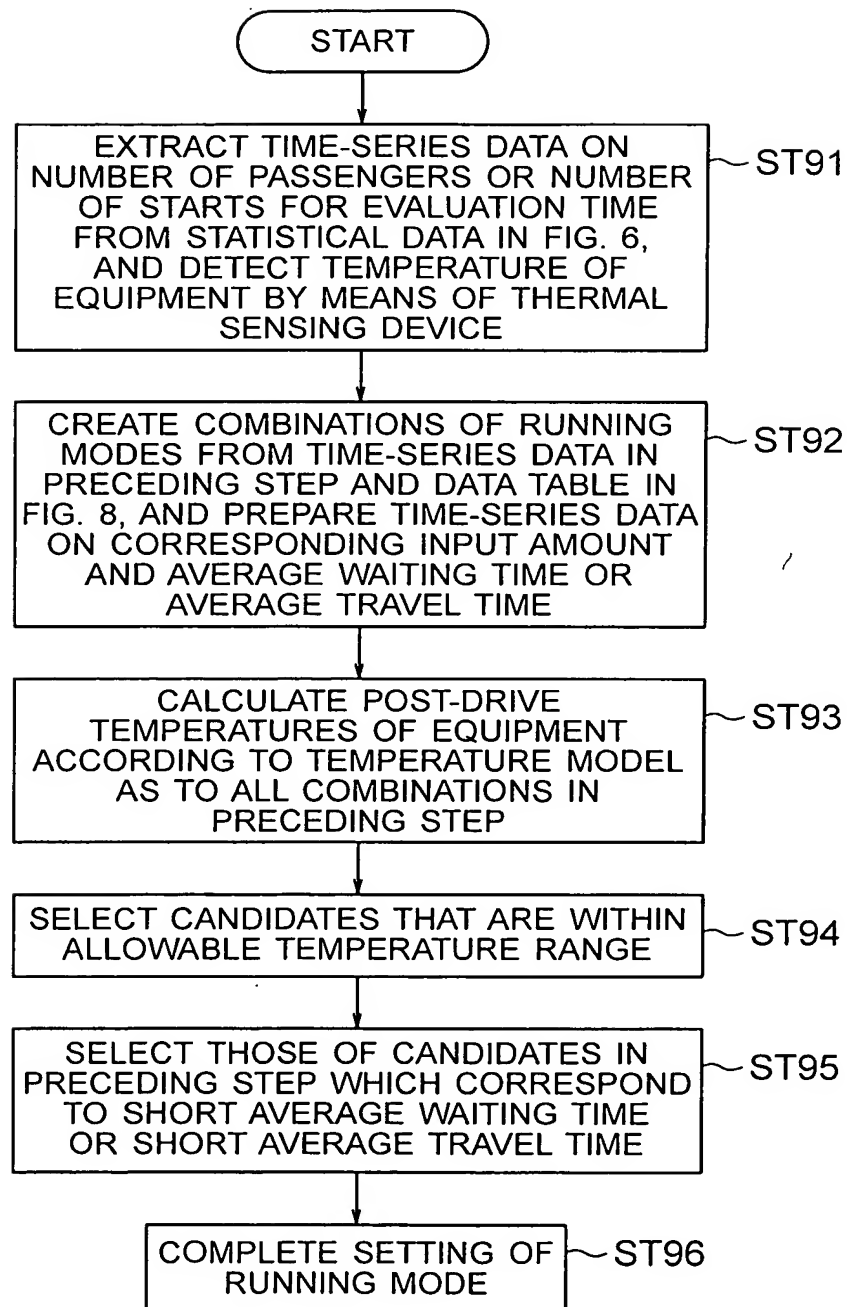


FIG. 10

